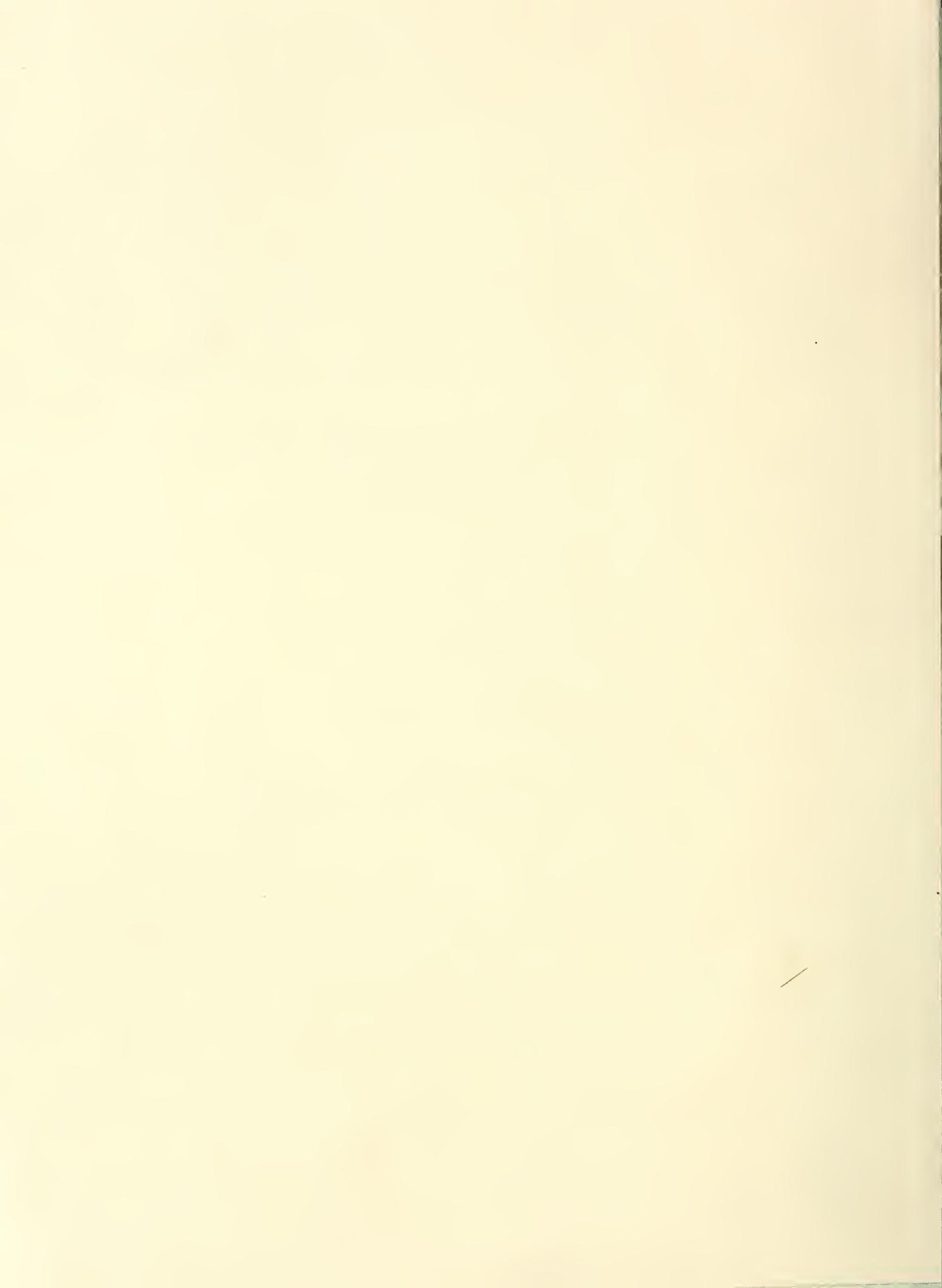
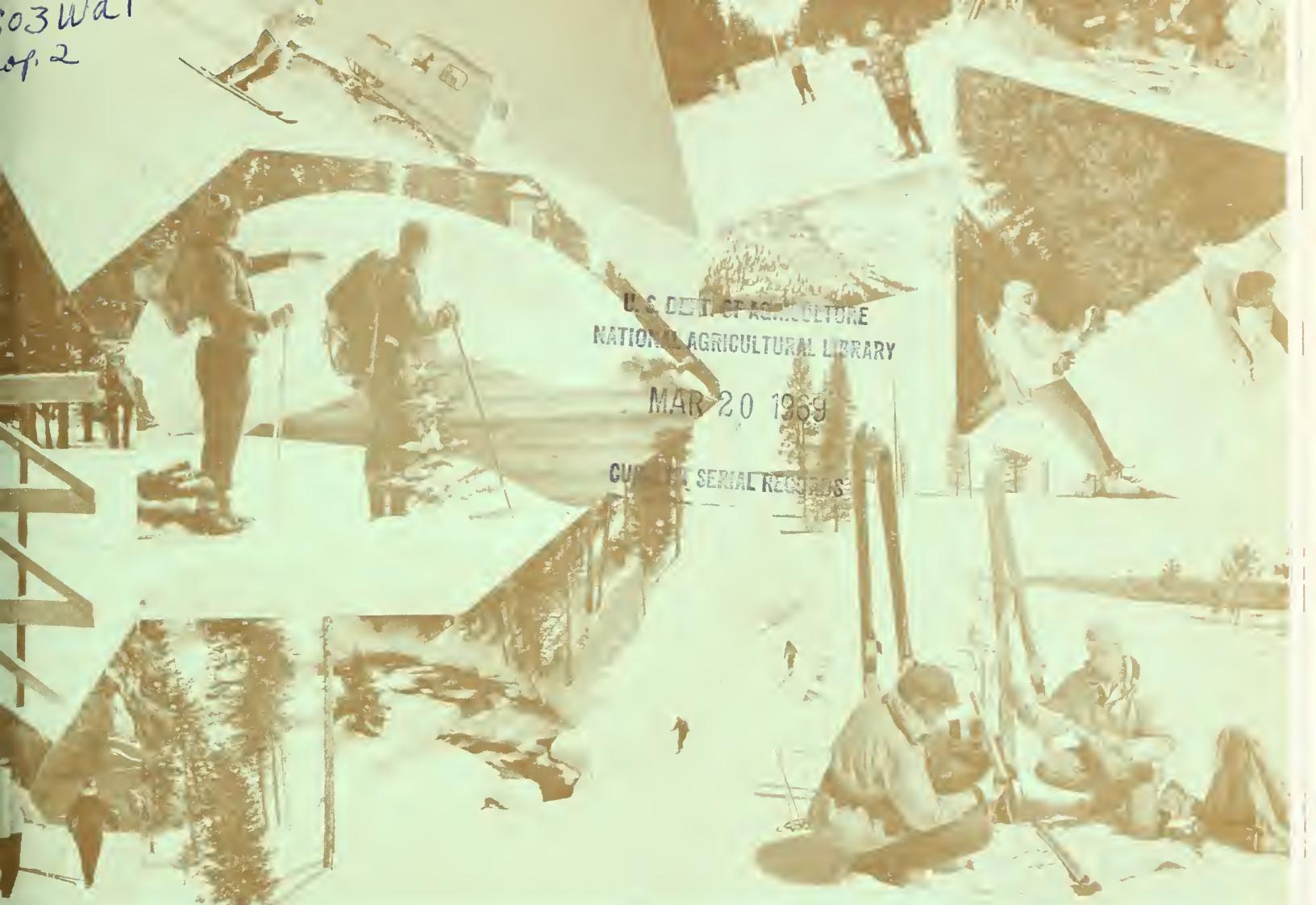


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WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE.
and
IDAHO STATE RECLAMATION ENGINEER

Data included in this report were obtained by the agencies named above
in cooperation with Federal, State and private organizations listed in-
side the back cover of this report.

AS OF
MAR. 1, 1969

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|---|
| Alaska | P. O. Box "F", Palmer, Alaska 99645 |
| Arizona | 6029 Federal Building, Phoenix, Arizona 85205 |
| Colorado (N. Mex.) | 12417 Federal Building, Denver, Colorado 80521 |
| Idaho | P. O. Box 38, Boise, Idaho 83707 |
| Montana | P. O. Box 98, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno Nevada 89505 |
| Oregon | 1218 S. W. Washington St., Portland, Oregon 97205 |
| Utah | 4012 Federal Building, Salt Lake City, Utah 84111 |
| Washington | 360 U.S. Court House, Spokane, Washington 99201 |
| Wyoming | P. O. Box 340, Casper, Wyoming 82602 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY FOR MARCH 1, 1969

Unusually heavy streamflow from snowmelt and the potential for damaging runoff on many low elevation streams is forecast as a result of the deep snowpack and saturated soils in the mountains and valleys of Idaho. The distribution of the snowpack in 1969 is unusual. At the valley and foothill elevations, there is a record-breaking snowpack throughout the state. Such a deep snowpack can be expected to occur only about once in 100 years. Higher in the mountains, the snow cover is heavy but slightly below record proportions. This unusual snow cover distribution increases the hazard from high water because the low elevation snow water alone can raise the rivers to flood stage under a rapid melt. This could be followed by a continuation of high flows as the high mountain snow melts.

Soil moisture conditions beneath the snowpack are saturated on most drainages which will add to the speed of runoff. The entire state is unusually sensitive to even normal spring rains at any time during the main snowmelt period.

In those areas where the high water potential is high, plans should be made to move equipment and livestock to a safe place if this should become necessary. The weather during the snowmelt season is the key factor in the development of these potentials, but the statistical chances are high that flood conditions will prevail on many drainages. On the major rivers, with adequate reservoir control, no problems are expected even though the inflow is forecast to be extremely high.

The BIG LOST and BIG WOOD Rivers are forecast to exceed their flood stage even with most favorable weather conditions in 1969.

WILLOW CREEK and SAND CREEK drainages, above the city of Idaho Falls, have an unusually heavy snowpack and frozen soil at the lower elevations. This is further aggravated by ice in the channels which could become a problem if the snowmelt is too fast or accompanied by warm rains.

The PORTNEUF RIVER also has an extremely heavy snowpack at the low elevations. On the higher mountainous portion of the drainage, there is a heavy snowpack but not the highest of record. There is a definite high water potential on this river, but it would take an extremely fast melt or combination of snowmelt and rain to produce it.

The CAMAS-BEAVER CREEK drainages which make up most of the inflow to Mud Lake Reservoir have a record-breaking snowpack at this time. Kilgore snow course with 33 years of record is already 2.3" over the maximum ever recorded at any time of the year with another month of snow accumulation possible. Medicine Lodge Creek, which also contributes to this flow in the heavy years, will add still more water for Mud Lake Reservoir. The snow cover in the vicinity of Dubois is unusually heavy and underlain by soil frozen to a depth of 27". This combination of factors produces an extreme potential for runoff into this reservoir.

The BOISE FRONT has carried approximately the same amount of snow-water since the middle of January. Melt has occurred at lower elevations but additional snowfall has sustained the high water potential. A slow steady melt period can still dissipate the snow on this area without serious problems. However, a fast melt, accompanied by rain, would produce unmanageable peak flows.

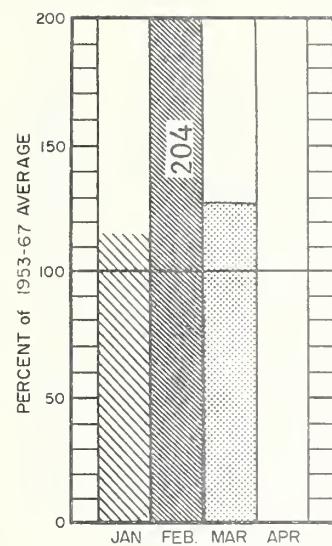
The LAPWAI, MISSION and PALOUSE drainages have an extremely heavy snowpack. A good portion of the snow cover is below our regular snow courses. However, the water content is so heavy at these low elevations within the drainages that an interpretation can be made from records higher on the watershed. A warm steady snowmelt season could dissipate these heavy volumes of water, but as with all other drainages, almost ideal conditions will have to prevail during the snowmelt to prevent damaging high water.

SNOW WATER DEPTHS ACCUMULATION

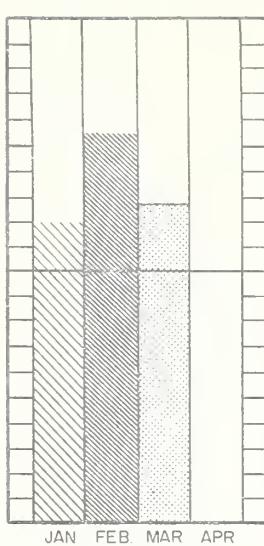
For Selected Snow Courses

As Compared To 1953-67 15 Yr. Average

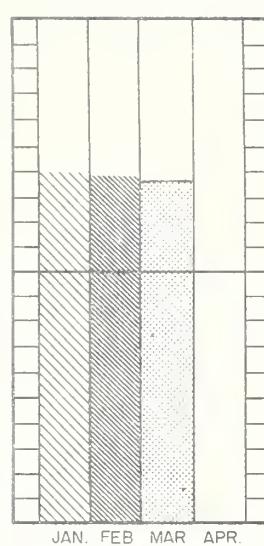
MARCH 1, 1969



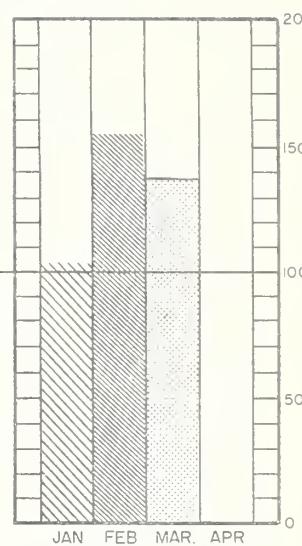
Benton Spring



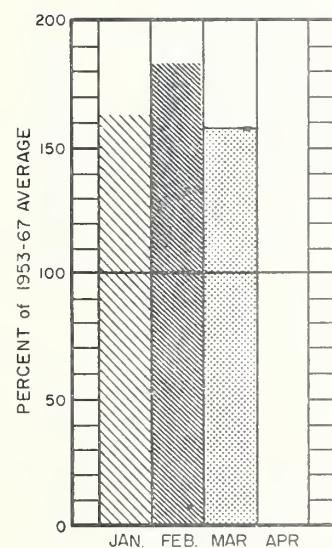
Lookout



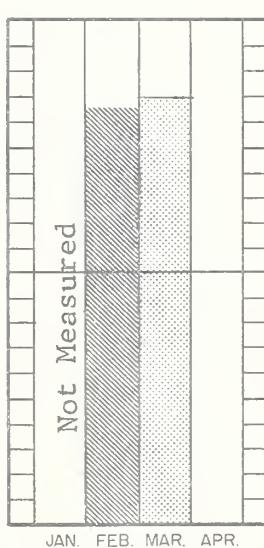
Pierce Ranger Sta.



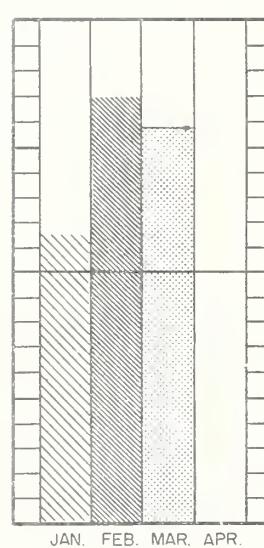
Big Creek Summit



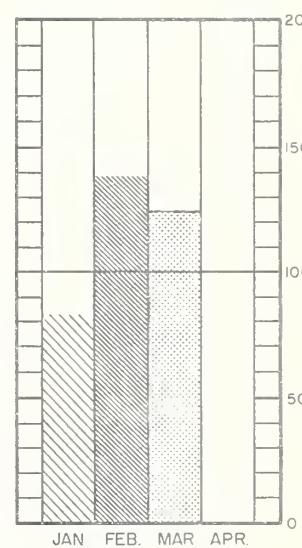
Bogus Basin



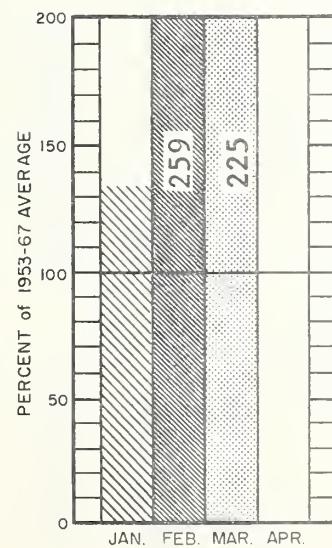
Atlanta Summit



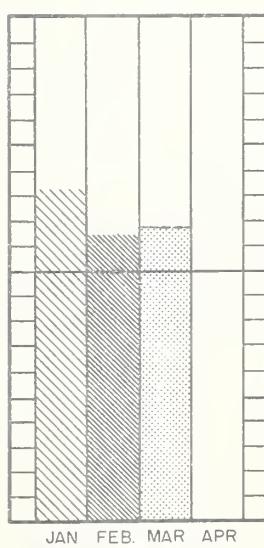
Galena



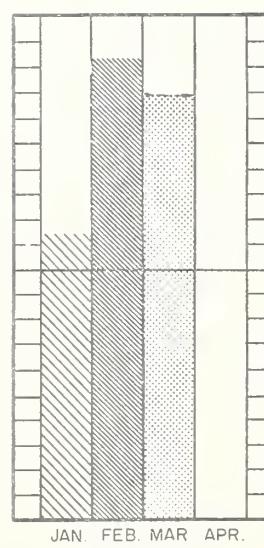
Moose Creek



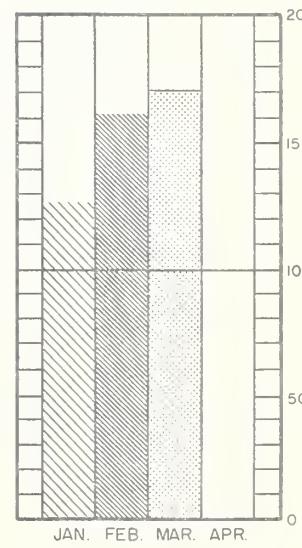
White Knob



Magic Mountain



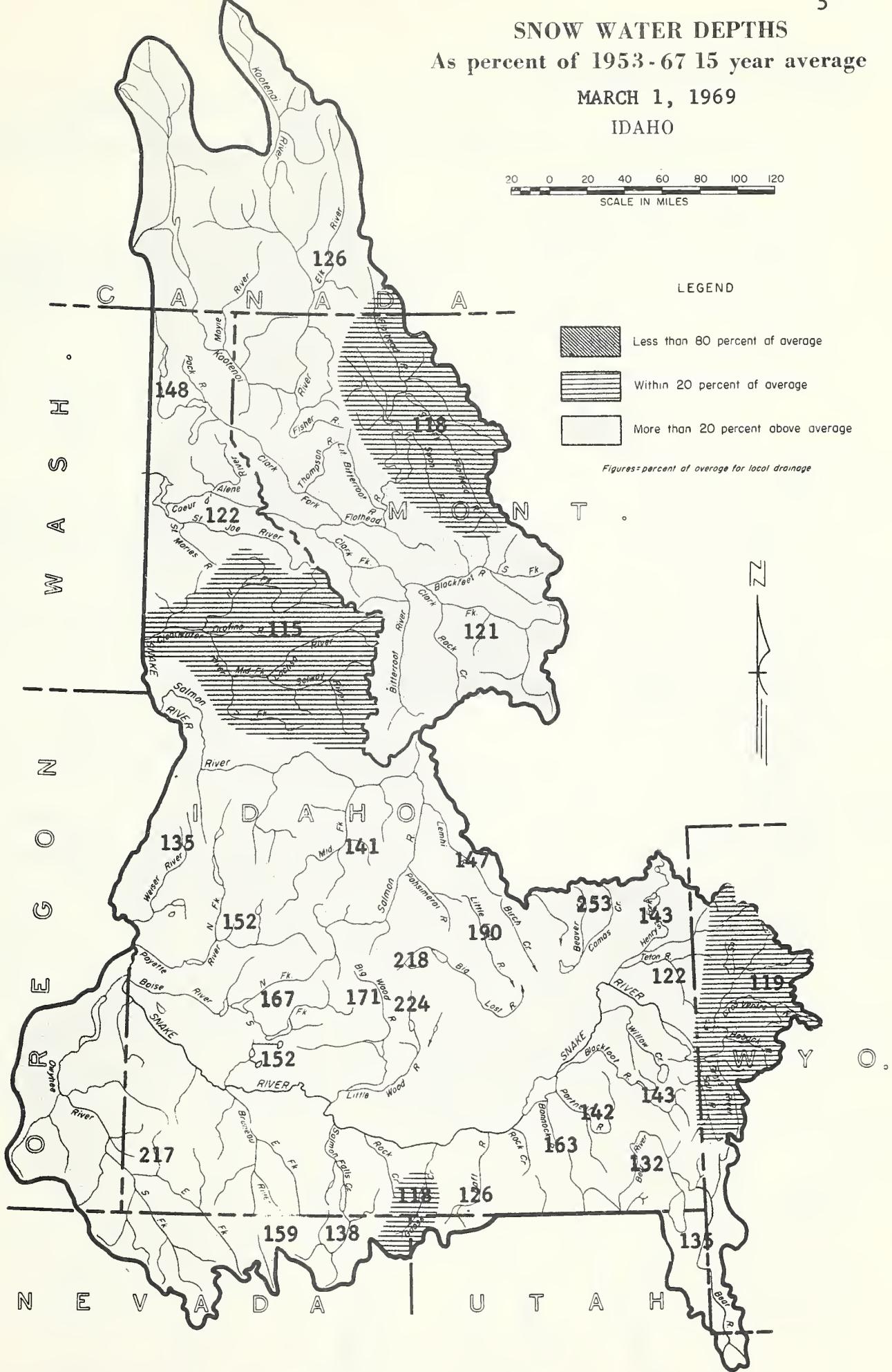
Island Park



Somsen Ranch

COMPARISON OF SNOW COVER

| RIVER BASIN WATERSHED | NO. OF COURSES AVERAGED | THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : LAST YEAR 1953-57 AVERAGE | |
|---|----------------------------|--|-----|
| <u>UPPER COLUMBIA RIVER BASIN</u> | | | |
| Kootenai River | 19 | 161 | 126 |
| Pend Oreille River | 70 | 130 | 120 |
| Clark Fork River | 51 | 123 | 121 |
| Flathead River | 20 | 147 | 118 |
| Priest River | 2-4 | 155 | 148 |
| Spokane River | 14 | 152 | 122 |
| <u>LOWER SNAKE RIVER BASIN</u> | | | |
| Palouse River | 5 | -- | 175 |
| Clearwater River | 20-44 | 140 | 115 |
| Salmon River | 20-32 | 159 | 141 |
| Lemhi River | 4-7 | 156 | 147 |
| <u>MIDDLE SNAKE RIVER BASIN - Northside</u> | | | |
| Little Lost River | 5 | 190 | 190 |
| Big Lost River | 7-16 | 227 | 218 |
| Fish Creek | 2-3 | 265 | 239 |
| Little Wood River | 3-4 | 275 | 224 |
| Big Wood River | 10-12 | 224 | 171 |
| Canyon Creek | 1-7 | 472 | 152 |
| Boise River | 15 | 238 | 167 |
| Payette River | 14-19 | 185 | 152 |
| Weiser River | 2-4 | 173 | 135 |
| <u>MIDDLE SNAKE RIVER BASIN - Southside</u> | | | |
| Raft River | 6-7 | 165 | 126 |
| Goose Creek | 2-3 | 189 | 118 |
| Salmon Falls Creek | 10-11 | 204 | 138 |
| Bruneau River | 5 | 200 | 159 |
| Owyhee River | 4 | 690 | 217 |
| <u>UPPER SNAKE RIVER BASIN</u> | | | |
| Upper Snake - Wyoming | 21 | -- | 119 |
| Camas-Beaver Creeks | 2 | 209 | 253 |
| Medicine Lodge Creek | 2 | 194 | 249 |
| Henry Fork River | 10 | 155 | 143 |
| Teton River | 2 | 131 | 122 |
| Blackfoot River | 4 | 126 | 143 |
| Portneuf River | 3-8 | 147 | 142 |
| <u>GREAT BASIN</u> | | | |
| Bear River | 1-5 | 144 | 135 |
| Montpelier Creek | 4 | 155 | 134 |
| Mink Creek | 4-7 | 124 | 132 |
| Cub River | 2 | 119 | 120 |
| Malad River | 2-4 | 191 | 163 |



RESERVOIR STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|----------------------------------|-----------------|---------------------------|-----------|-----------------|
| | | THIS YEAR | LAST YEAR | 1953-67 AVERAGE |
| <u>UPPER COLUMBIA BASIN</u> | | | | |
| <u>Clark Fork - Pend Oreille</u> | | | | |
| Hungry Horse | 3428.0 | 2508.0 | 2097.0 | 2269.0 |
| Flathead | 1791.0 | 1010.0 | 1087.0 | 963.0 |
| Pend Oreille | 1561.0 | 1002.0 | 604.1 | 914.6 |
| Noxon | 334.6 | 296.9 | 322.7 | 293.4 |
| <u>Spokane</u> | | | | |
| Coeur d'Alene | 238.5 | 85.0 | 339.7 | 149.6 |
| <u>SNAKE BASIN</u> | | | | |
| <u>Snake</u> | | | | |
| Jackson Lake | 847.0 | 653.0 | 605.7 | 440.8 |
| Palisades | 1200.0 | 1021.3 | 975.5 | 710.4* |
| American Falls | 1700.0 | 1283.0 | 1294.2 | 1431.6 |
| Island Park | 127.0 | 99.0 | 130.7 | 113.2 |
| Grassy Lake | 15.2 | 10.0 | 10.4 | 10.8 |
| Brownlee | 980.2 | 502.4 | 619.7 | 400.4* |
| <u>Goose-Trapper Creeks</u> | | | | |
| Oakley | 74.4 | 16.0 | 12.9 | 16.8 |
| <u>Salmon Falls Creek</u> | | | | |
| Salmon Falls | 182.6 | 20.3 | 21.2 | 27.4 |
| <u>Big Lost</u> | | | | |
| Mackay | 44.2 | 27.5 | 32.3 | 31.3 |
| <u>Big Wood</u> | | | | |
| Magic | 191.5 | 70.0 | 127.4 | 102.5 |
| <u>Little Wood</u> | | | | |
| Little Wood | 30.0 | 16.3 | 18.8 | 13.1* |
| <u>Boise</u> | | | | |
| Anderson Ranch | 423.2 | 186.6 | 275.8 | 213.9 |
| Arrowrock | 286.6 | 181.2 | 278.1 | 252.6 |
| Lucky Peak | 278.2 | 43.1 | 80.2 | 145.6* |
| Lake Lowell (Deer Flat) | 169.0 | 137.6 | 132.0 | 127.9 |
| <u>Owyhee</u> | | | | |
| Owyhee | 715.0 | 357.7 | 434.8 | 411.8 |
| <u>Payette</u> | | | | |
| Cascade | 653.2 | 311.8 | 307.6 | 274.2 |
| Deadwood | 161.9 | 82.1 | 84.8 | 74.0 |
| <u>GREAT BASIN</u> | | | | |
| <u>Bear</u> | | | | |
| Bear Lake | 1421.0 | 1066.0 | 1092.4 | 871.4 |
| *Period of Record. | | | | |

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

MARCH 1, 1969

50 0 50 100 150
SCALE IN MILES

Contents
RESERVOIR
Capacity

1002.0
PEND OREILLE
1561.0

85.0
COEUR D'ALENE
238.5

82.1
DEADWOOD
161.9

311.8
CASCADE
653.2

502.4
BROWNLEE
980.2

357.7
OWYHEE
715.0

137.6
LAKE LOWELL
169.0

43.1
LUCKY PEAK
278.2

181.2
ARROWROCK
286.6

186.6
ANDERSON RANCH
423.2

296.9
NOXON
334.6

2508.0
HUNGRY HORSE
3428.0

1010.0
FLATHEAD LAKE
1791.0

27.5
MACKAY
44.2

99.0
ISLAND PARK
127.0

10.0
GRASSY LAKE
15.2

653.0
JACKSON LAKE
847.0

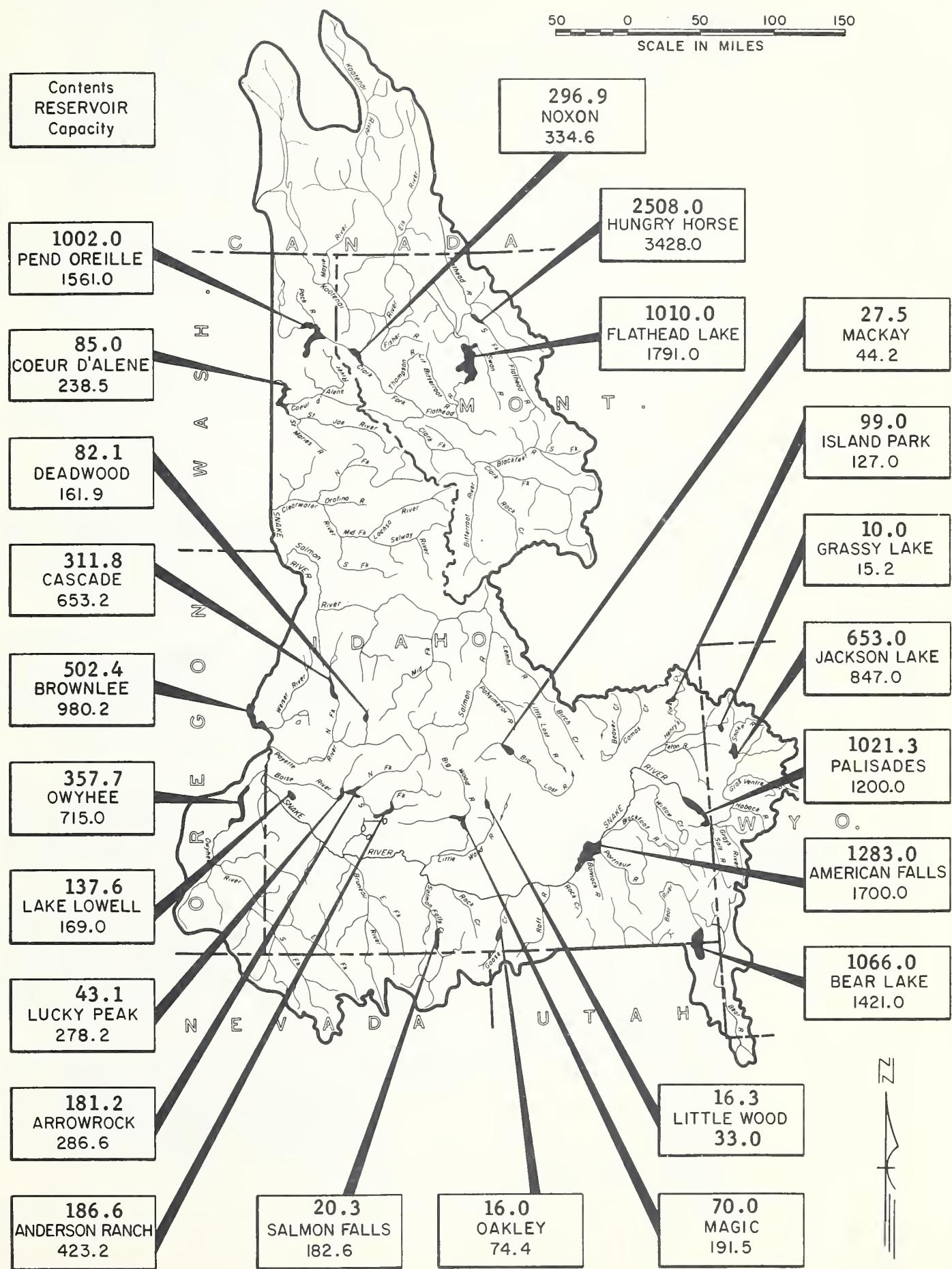
1021.3
PALISADES
1200.0

1283.0
AMERICAN FALLS
1700.0

1066.0
BEAR LAKE
1421.0

16.3
LITTLE WOOD
33.0

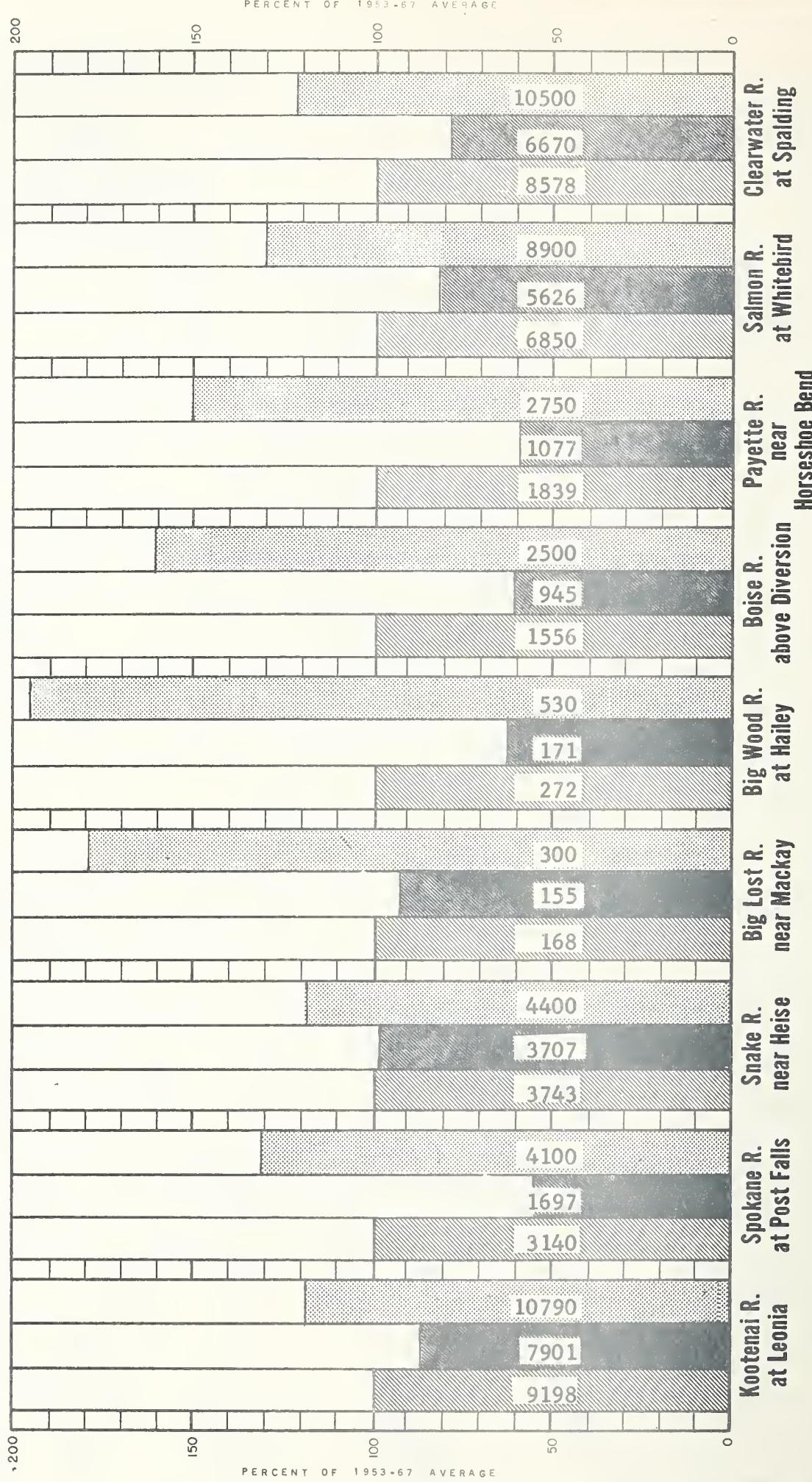
70.0
MAGIC
191.5



STREAMFLOW FORECASTS (April through September period)
Based on Snow Surveys made on approximately

MARCH 1, 1969

15 YR. AVERAGE FLOW 1953-67
 LAST YEARS FLOW
 THIS YEARS FORECAST
 123 FLOW IN THOUSANDS OF ACRE FEET



PROSPECTIVE STREAMFLOW
Based on Snow Surveys made on approximately

MARCH 1, 1969

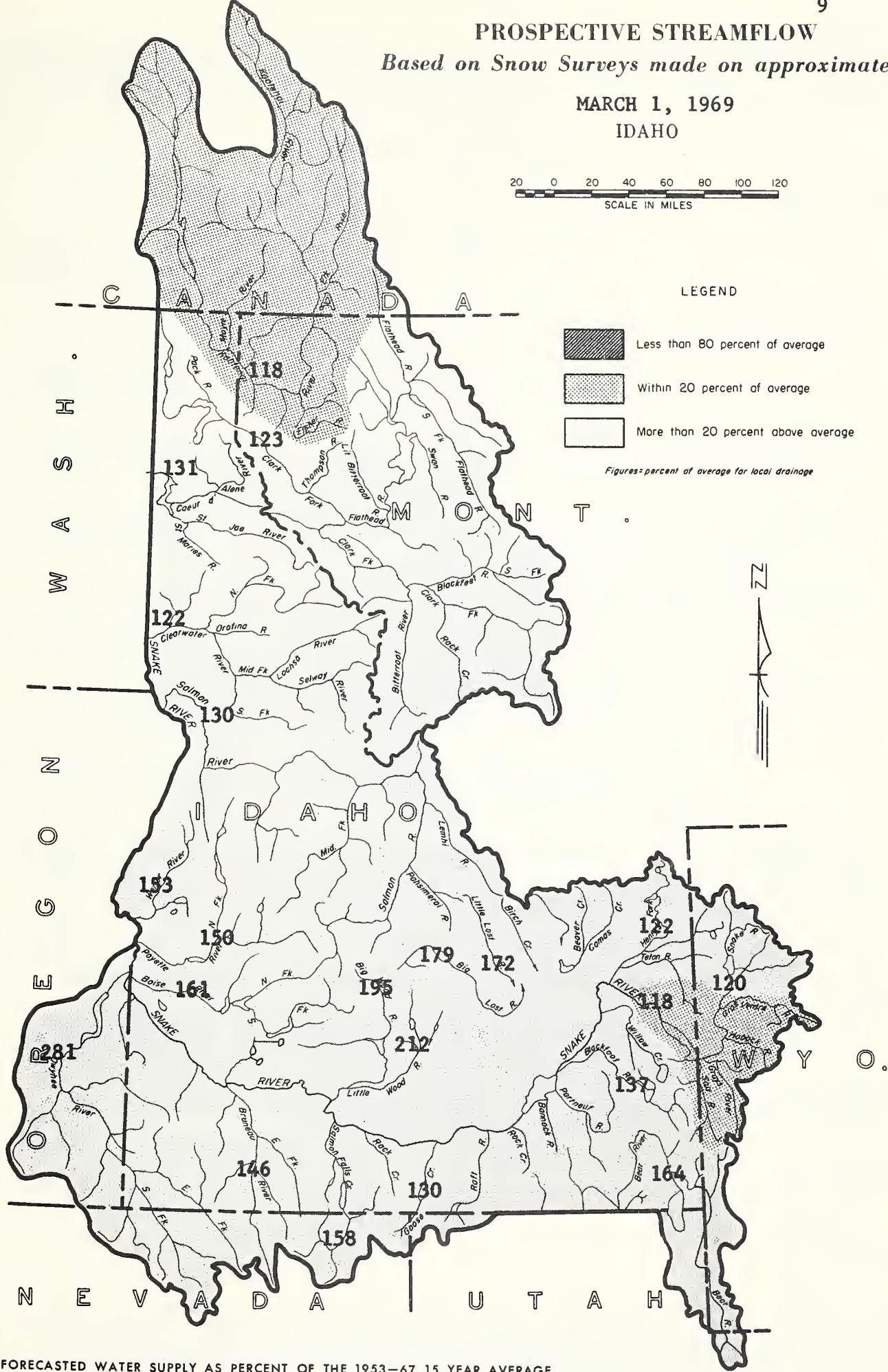
IDAHO

20 0 20 40 60 80 100 120
SCALE IN MILES

LEGEND

- [Hatched Box] Less than 80 percent of average
- [Dotted Box] Within 20 percent of average
- [White Box] More than 20 percent above average

Figures=percent of average for local drainage



FORECASTED WATER SUPPLY AS PERCENT OF THE 1953-67 15 YEAR AVERAGE

STREAMFLOW FORECASTS^c(1,000 Ac. Ft.)

| STREAM and/or FORECAST POINT | FORECAST THIS YEAR | FORECAST PERIOD | LAST YEAR | 1953-67 AVERAGE | THIS YEAR AS PERCENT OF AVERAGE |
|--------------------------------|--------------------|-------------------------|-------------------------------------|----------------------|---------------------------------|
| <u>UPPER COLUMBIA BASIN</u> | | | | | |
| <u>KOOTENAI RIVER</u> | | | | | |
| Leonia | (at) | 10790 9500 7600 | Apr - Sep Apr - Jul Apr - Jun | 7901 6706 5192 | 9198 8072 6463 |
| | | | | | 118 118 118 |
| <u>PEND OREILLE RIVER</u> | | | | | |
| Clark Fork River | | | | | |
| Whitehorse Rapids | (at) | 17120 15700 13500 | Apr - Sep Apr - Jul Apr - Jun | -- -- -- | 13987 12787 10953 |
| | | | | | 123 123 123 |
| <u>Priest River</u> | | | | | |
| Priest River 1/ | (nr) | 1230 | Apr - Jul | 666 | 914 |
| | | | | | 135 |
| <u>SPOKANE RIVER</u> | | | | | |
| Post Falls 2/ | (at) | 4100 | Apr - Sep | 1697 | 3140 |
| | | | | | 131 |
| <u>Coeur d'Alene River</u> | | | | | |
| Cataldo | (nr) | 1700 1620 | Apr - Sep Apr - Jul | -- -- | 1259 1201 |
| | | | | | 135 135 |
| <u>St. Joe River</u> | | | | | |
| Calder | (at) | 1850 1750 | Apr - Sep Apr - Jul | -- -- | 1359 1291 |
| | | | | | 136 136 |
| <u>SNAKE RIVER BASIN</u> | | | | | |
| <u>SNAKE RIVER - MAIN STEM</u> | | | | | |
| Moran 3/ | (at) | 1015 | Apr - Sep | 811 | 846 |
| Palisades Inflow 3/ | | 3040 | Apr - Sep | -- | 2557 |
| Heise 4/ | (nr) | 4400 | Apr - Sep | 3707 | 3743 |
| Blackfoot 5/ | (nr) | 4570 | Apr - Jul | -- | 3871 |
| Weiser | (at) | 9000 | Apr - Sep | 4227 | 6306 |
| | | | | | 118 118 118 |
| <u>Henry's Fork</u> | | | | | |
| Ashton 6/ | (nr) | 740 | Apr - Sep | -- | 609 |
| Rexburg 7/ | (nr) | 1500 | Apr - Sep | -- | 1229 |
| | | | | | 122 122 |
| <u>Teton River</u> | | | | | |
| St. Anthony | (nr) | 475 | Apr - Sep | -- | 394 |
| | | | | | 120 |
| <u>Blackfoot River</u> | | | | | |
| Blackfoot | | | | | |
| Reservoir Inflow | | 140 | Apr - Sep | -- | 102* |
| | | | | | 137 |

*1948-62 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake.
 2/ Observed flow corrected for storage in Coeur d'Alene Lake and diversions by Spokane Valley Farms Company and Rathdrum Prairie canals. 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

STREAMFLOW FORECASTS^c(1,000 Ac. Ft.)

| STREAM and/or FORECAST POINT | | FORECAST THIS YEAR | FORECAST PERIOD | LAST YEAR | 1953-67 AVERAGE | THIS YEAR AS PERCENT OF AVERAGE |
|--------------------------------|------|--------------------|-----------------|-----------|-----------------|---------------------------------|
| <u>Portneuf River</u> | | | | | | |
| Topaz | (at) | 110 | Mar-Sep | -- | 79.4 | 140 |
| <u>Oakley Reservoir Inflow</u> | | 32 | Mar-Sep | -- | 24.9 | 130 |
| <u>Salmon Falls Creek</u> | | | | | | |
| San Jacinto | (nr) | 110 | Mar-Sep | -- | 69.7 | 158 |
| | | 105 | Mar-Jul | -- | 66.5 | 158 |
| <u>Bruneau River</u> | | | | | | |
| Hot Springs | (nr) | 280 | Mar-Sep | -- | 191 | 146 |
| <u>Little Lost River</u> | | | | | | |
| Howe | (nr) | 65 | Mar-Sep | 47.7 | 37.8 | 172 |
| <u>Big Lost River</u> | | | | | | |
| Howell Ranch | (at) | 330 | Apr-Sep | 181 | 196 | 168 |
| | | 240 | Apr-Jun | -- | 137 | 175 |
| Mackay 1/ | (nr) | 300 | Apr-Sep | 155 | 168 | 179 |
| <u>Big Wood River</u> | | | | | | |
| Hailey 2/ | (at) | 530 | Apr-Sep | 171 | 272 | 195 |
| Magic Reservoir | | | | | | |
| Inflow 3/ | | 640 | Mar-Jul | -- | 268 | 239 |
| <u>Little Wood River</u> | | | | | | |
| High Five Creek | (ab) | 170 | Apr-Sep | -- | 80 | 212 |
| <u>Boise River</u> | | | | | | |
| Twin Springs | (nr) | 1100 | Apr-Sep | -- | 718 | 153 |
| | | 1030 | Apr-Jul | -- | 666 | 155 |
| Boise 4/ | (nr) | 2500 | Apr-Sep | 945 | 1556 | 161 |
| <u>South Fork</u> | | | | | | |
| Anderson Dam 5/ | (at) | 950 | Apr-Sep | 312 | 577 | 165 |
| <u>Owyhee River</u> | | | | | | |
| Gold Cr., Nev. 6/ | (nr) | 32 | Apr-Jul | 2 | 16.1 | 200 |
| Owyhee, Nev. 6/ | (nr) | 124 | Apr-Jul | 14 | 60 | 207 |
| Lake Owyhee | | 844 | Apr-Sep | 91.1 | 300 | 281 |
| net inflow 7/ | | 1050 | Mar-Jul | -- | 369 | 285 |
| <u>Jordan Creek</u> | | | | | | |
| Lone Tree Creek | (ab) | 180 | Apr-Jul | -- | 85 | 212 |

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir and diversion in Sharp Ditch. 2/ Combined discharge of Big Wood River and Big Wood Slough corrected for diversions. 3/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 4/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak. 5/ Corrected for storage in Anderson Ranch Reservoir. 6/ Corrected for storage in Wild Horse Reservoir. 7/ From U.S.B.R. records of inflow.

STREAMFLOW FORECASTS^c(1,000 Ac. Ft.)

| STREAM and/or FORECAST POINT | FORECAST THIS YEAR | FORECAST PERIOD | LAST YEAR | 1953-67 AVERAGE | THIS YEAR AS PERCENT OF AVERAGE |
|-------------------------------|--------------------------------|-------------------------------|------------------|--------------------|---------------------------------------|
| Payette River | | | | | |
| Horseshoe Bend 1/ Banks 2/ | (nr) 2750 (nr) 1470 | Apr-Sep Apr-Jul | 1077 -- | 1839 984 | 150 150 |
| North Fork | | | | | |
| Cascade 3/ Banks 3/ | (at) 830 (nr) 1080 | Apr-Sep Apr-Sep | 367 -- | 553 718 | 150 150 |
| Weiser River | | | | | |
| Weiser ab. Crane Creek 4/ | 770 | Mar-Sep | -- | 504 | 153 |
| Salmon River | | | | | |
| Whitebird Challis | (at) 8900 (nr) 1160 1010 | Apr-Sep Apr-Sep Apr-Jul | 5626 -- -- | 6850 892 779 | 130 130 130 |
| Clearwater River | | | | | |
| Spalding | (at) 10500 | Apr-Sep | 6670 | 8578 | 122 |
| GREAT BASIN | | | | | |
| BEAR RIVER | | | | | |
| Harer | (at) 371 | Apr-Sep | 202 | 226 | 164 |
| Montpelier Creek | | | | | |
| Montpelier | (nr) 16 | Apr-Sep | -- | 10.7 | 150 |
| Cub River | | | | | |
| Preston | (nr) 65 | Apr-Sep | -- | 47.8* | 136 |

* 1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4 Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth.

VALLEY PRECIPITATION 1/

Division Averages and Departures

In Inches

| DRAINAGE DIVISIONS | February - 1969 | | Nov. 68 - Feb. 69 | |
|-----------------------|-----------------|--------------|-------------------|--------------|
| | Observed | Departure 2/ | Observed | Departure 2/ |
| Upper Snake | 1.78 | -0.11 | 11.24 | +2.90 |
| Snake River Plain | 1.03 | +0.32 | 5.34 | +1.80 |
| Clark Fork | 0.38 | -0.29 | 5.08 | +1.35 |
| Flathead | 0.53 | -1.24 | 9.27 | +0.65 |
| Salmon-Boise-Payette | 1.75 | -0.08 | 13.16 | +3.79 |
| Clearwater | 1.27 | -0.85 | 12.90 | +1.79 |
| Pend Oreille-Spokane | 1.52 | -1.49 | 18.77 | +3.29 |
| Kootenai | 1.52 | -0.77 | 12.91 | +0.70 |
| Owyhee-Malheur | 1.07 | +0.22 | 7.23 | +2.95 |

1/ Preliminary analysis by U. S. Weather Bureau from data furnished by Meteorological Service of Canada and U. S. Weather Bureau

2/ Departure from 15-year (1953-67) drainage division average.



SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|----------------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (inches) LAST YEAR | AVERAGE ^b |

UPPER COLUMBIA RIVER BASINPEND OREILLE - PRIEST RIVER

| | | | | | | | |
|---------------------|------|------|------|-----|------|------|-------|
| Benton Meadow | 16A2 | 2344 | 2/28 | 37 | 12.1 | 4.7 | 5.8 |
| Benton Spring | 16A3 | 4900 | 2/28 | 67 | 23.3 | 13.0 | 18.2 |
| #Mosquito Ridge (A) | 16A4 | 5110 | 2/27 | 107 | 39.8 | 32.3 | 33.8* |
| Schweitzer Ridge | 16A5 | 6100 | 2/28 | 146 | 56.2 | 37.5 | -- |
| Schweitzer Bowl | 16A6 | 4500 | 2/28 | 93 | 33.8 | 25.5 | -- |

SPOKANE RIVER

| | | | | | | | |
|------------------------|-------|------|------|-----|------|------|-------|
| Copper Ridge | 16B2 | 4800 | 2/27 | 88 | 32.2 | 15.8 | 26.0 |
| #Forty-nine Meadows ** | 15B3 | 5000 | 3/2 | 97 | 36.1 | 20.9 | 28.6* |
| Fourth of July Summit | 16B3 | 3100 | 2/28 | 52 | 16.2 | T | 10.5* |
| Granite Peak ** | 15B13 | 6000 | 3/2 | 120 | 45.0 | 37.8 | 41.8* |
| Kellogg Peak (A) | 16B5 | 5560 | 2/27 | 105 | 39.1 | 23.0 | 28.2* |
| Lookout | 15B2 | 5250 | 3/2 | 111 | 41.3 | 26.9 | 32.3 |
| #Lost Lake ** | 15B14 | 6000 | 3/1 | 162 | 63.7 | 45.2 | 53.6* |
| Lower Sands Creek | 16B1 | 3400 | 2/27 | 68 | 22.7 | 11.0 | 17.8 |
| Medicine Ridge ** | 15B4 | 6150 | 3/2 | 122 | 45.3 | 39.0 | 43.6* |
| Mosquito Ridge (A) | 16A4 | 5110 | 2/27 | 107 | 39.8 | 32.3 | 33.8* |
| Outlaw Creek ** | 15B12 | 3750 | 3/1 | 62 | 20.1 | 11.7 | 13.7* |
| Roland Summit (A) | 15B5 | 5200 | 2/27 | 100 | 37.2 | 23.4 | 34.6* |
| Sherwin | 16C1 | 3200 | 2/27 | 55 | 17.8 | 5.4 | 14.1* |
| Sunset (A) | 15B9 | 5600 | 2/27 | 109 | 40.5 | 34.6 | 29.9* |

LOWER SNAKE RIVER BASINPALOUSE RIVER

| | | | | | | | |
|-----------------|------|------|-----|----|------|-----|-------|
| Crumarine Creek | 16C6 | 3340 | 3/1 | 41 | 13.9 | 0.0 | 6.4* |
| East Twin | 16C3 | 4050 | 3/1 | 56 | 20.8 | T | 12.3* |
| Howard Creek | 16C5 | 3450 | 3/1 | 37 | 12.8 | 0.0 | 4.5* |
| Moscow Mountain | 16C2 | 4400 | 3/1 | 66 | 22.6 | 6.1 | 15.7* |
| West Twin | 16C4 | 4250 | 3/1 | 50 | 17.3 | 0.0 | 11.1* |

CLEARWATER RIVER

| | | | | | | | |
|---------------------|-------|------|------|----|------|------|------|
| Above Greer | 16C11 | 1240 | 2/27 | 0 | 0.0 | 0.0 | 0.0* |
| Anderson Butte (A) | 15D7 | 6800 | 2/28 | 96 | 34.5 | 28.6 | -- |
| Anderson Ridge (A) | 15D8 | 5400 | 2/28 | 61 | 21.3 | 13.3 | -- |
| Buck Meadows | 15D5 | 5600 | 2/27 | 78 | 27.2 | 18.8 | -- |
| Cayuse Airstrip ** | 15C3 | 3700 | 3/2 | 40 | 14.7 | 9.4 | 11.2 |
| Coolwater Mtn. ** | 15C7 | 6200 | 2/27 | 73 | 27.4 | -- | -- |
| Coolwater Mtn. (R) | 15C7 | 6200 | 3/4 | -- | 19.8 | 16.6 | -- |
| Coolwater Mtn. (SP) | 15C7 | 6200 | 3/4 | -- | 18.0 | -- | -- |
| Copper Butte (A) | 15D10 | 6000 | 2/28 | 65 | 23.4 | 25.2 | -- |
| Cottonwood Butte | 16C16 | 5140 | 2/26 | 42 | 12.8 | 6.5 | -- |

** Water content partially estimated.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | AVERAGE ^b |
| Crater Meadows ** | 15C9 | 6100 | 3/2 | 114 | 42.3 | 36.6 | 39.8* |
| Crooked Fork | 14C10 | 3800 | 2/26 | 48 | 14.2 | 9.8 | -- |
| Culdesac ** | 15B19 | 3050 | 3/1 | 56 | 17.0 | 5.1 | -- |
| Disgrace Butte (A) | 15D11 | 6600 | 2/28 | 75 | 27.7 | 22.0 | -- |
| Elk Butte ** | 16C15 | 5550 | 3/1 | 104 | 38.6 | 24.5 | 35.8* |
| Elk Mountain | 15D13 | 6900 | 2/27 | 118 | 47.0 | 30.7 | -- |
| Falls Point (A) | 15C11 | 4600 | 2/28 | 68 | 24.4 | 9.0 | -- |
| Fish Lake Airstrip ** | 15C2 | 5000 | 2/27 | 111 | 41.2 | 35.8 | 36.2 |
| Forest | 16C9 | 4550 | 2/26 | 31 | 9.1 | 1.7 | 6.0* |
| Forty-nine Meadows ** | 15B3 | 5000 | 3/2 | 97 | 36.1 | 20.9 | 28.6* |
| Goat Lake ** | 14C9 | 6600 | 3/2 | 121 | 47.6 | 48.0 | 45.0* |
| #Granite Peak ** | 15B13 | 6000 | 3/2 | 120 | 45.0 | 37.8 | 41.8* |
| Greer Summit | 16C13 | 3000 | 2/27 | 15 | 4.6 | 0.0 | 0.0* |
| Hemlock Butte ** | 16C6 | 5500 | 3/2 | 129 | 48.4 | 31.2 | 43.2* |
| Hemlock Butte (R) | 16C6 | 5500 | 3/4 | -- | 51.3 | 33.2 | -- |
| Hemlock Butte (SP) | 16C6 | 5500 | 3/4 | -- | 50.9 | 30.8 | -- |
| #Hoodoo Basin Mont. | 15C8 | 6000 | 2/27 | 134 | 51.5 | 41.9 | -- |
| #Hoodoo Basin (SP)Mont. | 15C8 | 6000 | No Report | | | 40.5 | -- |
| #Hoodoo Creek Mont. | 15C1 | 5900 | 2/27 | 129 | 47.8 | 36.7 | 42.5* |
| Horse Creek #1 (A) | 15C14 | 5500 | 2/28 | 69 | 23.4 | 15.5 | -- |
| Horse Creek #4 (A) | 15C15 | 5400 | 2/28 | 65 | 22.1 | 17.8 | -- |
| Horse Point (A) | 15D21 | 5700 | 2/28 | 61 | 21.3 | 13.3 | -- |
| Indian Hill (A) | 15D22 | 6100 | 2/28 | 37 | 13.3 | 9.5 | -- |
| Lolo Pass | 14C5 | 5230 | 2/26 | 85 | 30.0 | 23.6 | 29.0* |
| Lost Lake ** | 15B14 | 6000 | 3/1 | 162 | 63.7 | 45.2 | 53.6* |
| Lower Snowhaven | 16D7 | 5250 | 2/26 | 57 | 19.0 | 8.7 | -- |
| McCann | 16C8 | 4300 | 2/26 | 28 | 8.2 | T | 5.7* |
| Meadow Cr. Lookout (A) | 15D17 | 7000 | 2/28 | 90 | 32.4 | 28.1 | -- |
| #Medicine Ridge ** | 15B4 | 6150 | 3/2 | 122 | 45.3 | 39.0 | 43.6* |
| Midway | 16C12 | 2200 | 2/27 | 9 | 3.4 | 0.0 | -- |
| Mill Site | 15D18 | 6700 | 2/28 | 79 | 29.0 | 25.3 | -- |
| Mountain Meadows | 15D6 | 6300 | 2/27 | 64 | 21.0 | 18.4 | -- |
| #Nez Perce Pass Mont. | 14D1 | 6575 | 2/24 | 51 | 15.8 | 14.8 | 13.8* |
| Orogrande Mountain ** | 15D4 | 7800 | 2/27 | 93 | 36.7 | -- | -- |
| Orogrande Mountain (R) | 15D4 | 7800 | 3/4 | -- | 36.3 | 34.0 | -- |
| Pierce Ranger Station | 15C5 | 3170 | 2/27 | 46 | 14.0 | 4.1 | 10.3 |
| Powell Ranger Station | 14C6 | 4230 | 2/26 | 46 | 14.7 | 8.6 | 13.2* |
| Sable Hill (A) | 15D20 | 6000 | 2/28 | 57 | 20.5 | 13.0 | -- |
| Savage Pass | 14C4 | 6600 | 2/26 | 78 | 27.4 | 24.0 | 24.9* |
| Shanghai Summit ** | 15C4 | 4600 | 3/2 | 85 | 30.6 | 14.0 | 22.7* |
| Sweeney | 16C10 | 4435 | 2/26 | 29 | 8.5 | 2.2 | 6.0* |
| Upper Snowhaven | 16D4 | 5600 | 2/26 | 62 | 20.8 | -- | -- |

SALMON RIVER

| | | | | | | | |
|-------------------|------|------|------|-----|------|------|-------|
| Big Creek Summit | 15E2 | 6600 | 3/1 | 116 | 41.4 | 24.0 | 30.1 |
| Borah (A) | 13E8 | 8250 | 3/2 | 16 | 3.8 | 4.1 | -- |
| #Boulder Creek | 16D1 | 5500 | 2/26 | 88 | 25.1 | 18.7 | 21.0* |
| Brundage Mountain | 16D6 | 7560 | 2/27 | 147 | 52.8 | 36.2 | -- |

** Water content partially estimated.

(b) 1953-67, 15 year period. * Not located directly on this drainage. • Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|-------------------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) LAST YEAR | AVERAGE ^b |
| Chapman Creek | 16D2 | 4215 | 2/26 | 22 | 6.6 | 0.0 | 2.6* |
| #Deadwood Summit (A) | 15E4 | 7000 | 2/27 | 160 | 60.6 | 34.9 | 38.2* |
| Doublespring Pass (A) | 13E25 | 8400 | 3/2 | 38 | 9.9 | 11.7 | -- |
| #Galena Summit | 14F12 | 8795 | 2/25 | 102 | 29.8 | 17.2 | 19.3 |
| #Gibbons Pass Mont. | 13D2 | 7100 | 2/26 | 75 | 26.9 | 21.1 | 19.5 |
| Johns Creek | 16D3 | 3805 | 2/26 | 14 | 5.8 | 0.0 | 1.6* |
| Keystone (A) | 14E6 | 7700 | 3/2 | 37 | 9.9 | 5.8 | -- |
| Leatherman Pass (A) | 13E24 | 9800 | 3/2 | 80 | 30.4 | 17.2 | -- |
| #Lemhi Pass Mont. | 13E1 | 7480 | 2/27 | 40 | 11.1 | 9.8 | 6.9 |
| #Lemhi Ridge Mont. | 13E23 | 8100 | 2/27 | 39 | 10.7 | 9.2 | -- |
| Mill Creek Summit | 14E1 | 8870 | 3/3 | 76 | 28.9 | 17.6 | 19.3* |
| Moose Creek | 13D16 | 6200 | 2/27 | 58 | 17.6 | 13.4 | 14.2 |
| Morgan Creek | 14E4 | 7580 | 3/1 | 52 | 17.4 | 11.2 | 13.4* |
| Redfish Lake | 14E2 | 6600 | 2/26 | 44 | 12.2 | 6.2 | -- |
| #Rock Flat Summit | 16E1 | 5200 | 2/27 | 69 | 21.2 | 13.7 | 15.3 |
| #Squaw Flat (A) | 16E5 | 6230 | 2/27 | 99 | 35.7 | 18.9 | -- |
| #Squaw Meadow | 15D2 | 5800 | 2/28 | 115 | 41.9 | 27.5 | 32.1* |
| Twin Peaks (A) | 14E3 | 10300 | 3/2 | 84 | 31.9 | 20.0 | -- |
| Vienna Mine (A) | 14F4 | 8900 | 2/27 | 122 | 35.6 | 22.6 | 30.3* |
| Whitebird Summit | 16D5 | 4390 | 2/26 | 29 | 9.4 | 1.8 | 5.3* |
| Williams Creek Summit | 14D4 | 7800 | 2/26 | 47 | 14.3 | 9.0 | 10.8* |

Lemhi River

| | | | | | | | |
|-------------------|-------|------|------|----|------|------|-------|
| Above Gilmore | 13E19 | 8200 | 2/28 | 45 | 12.7 | 7.7 | 8.3* |
| Aspen-Hall Pass | 13E21 | 8110 | 2/27 | 42 | 11.2 | 7.0 | -- |
| Copes Camp | 13E17 | 7500 | 2/27 | 39 | 10.0 | 5.6 | 6.5* |
| Gertson Creek (A) | 13D17 | 8050 | 2/28 | 36 | 10.1 | 7.7 | -- |
| Hall Creek | 13E20 | 7560 | 2/27 | 28 | 6.6 | 4.3 | -- |
| Meadow Lake | 13E18 | 9100 | 2/28 | 73 | 24.0 | 16.0 | 17.0* |
| Schwartz Lake | 13E16 | 8500 | 2/27 | 52 | 15.5 | 9.3 | 10.5* |

(b) 1953-67, 15 year period. * Not located directly on this drainage. • Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent.
(R) Radioactive Gage snow-water equivalent.

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|-------------------------|-----------|------------------|----------|------------------------|-----------|-----------|-------------|
| NAME | ELEVATION | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| SPOKANE RIVER | | | | | | | |
| Fourth of July Summit | 3100 | 48 | 11.6 | 2/28 | 10.1 | 9.1 | 10.2 |
| Lookout | 5250 | 48 | 11.0 | 3/2 | 8.4 | 8.5 | 8.1 |
| CLEARWATER RIVER | | | | | | | |
| Brown | 3100 | 30 | 6.7 | 2/27 | 5.7 | 5.9 | 5.6 |
| Midway | 2200 | 36 | 6.1 | 2/27 | 5.2 | 5.3 | 5.0 |
| SALMON RIVER | | | | | | | |
| Mill Creek Summit | 8870 | 48 | 8.4 | 3/3 | 6.7 | 6.6 | 3.1 |
| Lemhi River | | | | | | | |
| Above Gilmore | 8200 | 60 | 5.4 | 2/28 | 4.3 | 3.1 | 1.8 |
| Meadow Lake | 9100 | 48 | 4.4 | 2/28 | 2.6 | 2.0 | 1.5 |

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|----------------------------------|-----------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) LAST YEAR | AVERAGE b |

MIDDLE SNAKE RIVER BASIN - NORTHSIDELITTLE LOST RIVER

| | | | | | | | |
|---------------------|------|------|------|----|------|-----|------|
| Fairview Guard Sta. | 13E5 | 6750 | 2/25 | 30 | 7.7 | 3.6 | 4.1* |
| Lost Garfield | 13E3 | 6600 | 2/25 | 28 | 6.5 | 3.4 | 3.4* |
| Moonshine | 13E6 | 7450 | 2/25 | 64 | 17.5 | 9.7 | 9.4* |
| Sawmill Canyon | 13E4 | 6900 | 2/25 | 45 | 10.8 | 6.9 | 7.1* |
| Swauger Lake (A) | 13E9 | 9050 | 3/2 | 24 | 6.7 | -- | -- |
| Wet Creek Summit | 13E7 | 7600 | 2/27 | 75 | 20.9 | 9.8 | 9.3* |

BIG LOST RIVER

| | | | | | | | |
|------------------------|-------|------|------|-----|------|------|-------|
| Bear Canyon ** | 13F3 | 7920 | 2/27 | 119 | 34.5 | 12.6 | 15.2 |
| Cherry Creek Pass (A) | 13F13 | 8900 | 2/27 | 11 | 2.6 | 1.2 | -- |
| Copper Basin (A) | 13F2 | 7650 | 2/27 | 69 | 19.3 | 7.8 | 8.0 |
| #Doublespring Pass (A) | 13E25 | 8400 | 3/2 | 38 | 9.9 | 11.7 | -- |
| Dry Fork (A) | 13F20 | 7340 | 2/27 | 93 | 26.8 | 9.5 | -- |
| Fishpole Lake (A) | 13F8 | 9350 | 2/27 | 112 | 32.7 | 13.4 | -- |
| Grasshopper (A) ** | 13F7 | 8400 | 2/27 | 85 | 24.3 | 8.9 | -- |
| Iron Bog | 13F11 | 7650 | 2/26 | 99 | 28.5 | 10.4 | 11.0* |
| Leadbelt | 13F12 | 6800 | 2/26 | 79 | 22.1 | 9.0 | 8.0* |
| #Leatherman Pass (A) | 13E24 | 9800 | 3/2 | 80 | 30.4 | 17.2 | -- |
| Lost-Wood Divide (A) | 14F3 | 7900 | 2/27 | 117 | 34.2 | 16.0 | 20.4* |
| Mammoth Canyon (A) | 13F17 | 8300 | 2/27 | 53 | 14.2 | 7.8 | -- |
| North Fork Meadow (A) | 14F15 | 8150 | 2/27 | 66 | 18.5 | 7.8 | -- |
| Sage Creek (A) | 14E5 | 7800 | 3/2 | 57 | 17.1 | 5.6 | -- |
| Slickrock (A) ** | 13F14 | 8640 | 2/27 | 120 | 34.8 | 12.7 | -- |
| Stickney Mill (A) | 14F2 | 7500 | 2/27 | 51 | 14.3 | 7.1 | 7.8 |
| White Knob | 13F1 | 7700 | 2/28 | 59 | 15.8 | 8.8 | 7.0* |

FISH CREEK

| | | | | | | | |
|-----------------|-------|------|------|----|------|-----|------|
| #Dry Fork (A) | 13F20 | 7340 | 2/27 | 93 | 26.8 | 9.5 | -- |
| Iron Mine Creek | 13F10 | 6370 | 2/28 | 68 | 21.1 | 8.3 | 8.8* |
| Telfer Ranch | 13F6 | 6000 | 2/28 | 55 | 16.5 | 6.5 | 6.9 |

LITTLE WOOD RIVER

| | | | | | | | |
|--------------------|-------|------|------|-----|------|------|-------|
| Garfield Rgr. Sta. | 13F4 | 6554 | 2/28 | 73 | 21.8 | 8.6 | 9.0 |
| Muldoon | 13F5 | 6300 | 2/28 | 58 | 17.2 | 5.6 | 7.2 |
| Porcupine (A) | 14F14 | 8350 | 2/27 | 120 | 34.6 | 11.2 | -- |
| Swede Peak | 13F9 | 7500 | 2/27 | 102 | 29.4 | 12.1 | 14.4* |

BIG WOOD RIVER

| | | | | | | | |
|------------------------|-------|------|------|-----|------|------|-------|
| Camas Creeks Divide(A) | 15F9 | 5720 | 2/27 | 57 | 19.5 | 3.8 | -- |
| #Couch Summit | 14F10 | 6950 | 2/26 | 95 | 29.0 | 13.3 | 15.2* |
| Dollarhide Summit (A) | 14F8 | 8620 | 2/27 | 115 | 43.6 | 21.2 | 21.8* |

**** Estimated**

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent.
(R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|------------------------|-----------|---------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (inches) | LAST YEAR | AVERAGE |
| Galena | 14F1 | 7300 | 2/25 | 87 | 26.2 | 13.8 | 16.6 | |
| Galena Summit | 14F12 | 8795 | 2/25 | 102 | 29.8 | 17.2 | 19.3 | |
| Graham Ranch | 14F5 | 6200 | 2/25 | 84 | 21.6 | 9.1 | 11.5 | |
| #Lost-Wood Divide (A) | 14F3 | 7900 | 2/27 | 117 | 34.2 | 16.0 | 20.4* | |
| Mascot Mine | 14F7 | 7900 | 3/3 | 74 | 22.4 | 7.9 | 11.8 | |
| Mount Baldy | 14F9 | 9000 | 3/1 | 109 | 32.6 | 12.9 | 17.0 | |
| #Porcupine (A) | 14F14 | 8350 | 2/27 | 120 | 34.6 | 11.2 | -- | |
| Soldier Rgr. Sta. | 14F11 | 6100 | 2/26 | 71 | 22.7 | 8.4 | 10.0 | |
| #Vienna Mine (A) | 14F4 | 8900 | 2/27 | 122 | 35.6 | 22.6 | 30.3* | |

CANYON CREEK

| | | | | | | | |
|------------------------|-------|------|------|----|------|-----|-------|
| Bennett Mountain | 15F7 | 6650 | 3/1 | 66 | 22.6 | 9.0 | 14.9* |
| #Camas Creeks Div. (A) | 15F9 | 5720 | 2/27 | 57 | 19.5 | 3.8 | -- |
| #Danskin (A) | 15F10 | 5650 | 2/27 | 65 | 22.2 | 5.8 | -- |
| Dixie Hill | 15F8 | 5230 | 3/1 | 28 | 10.0 | 0.0 | -- |
| Little Camas Flat | 15F12 | 4950 | 3/1 | 34 | 12.0 | 1.0 | -- |
| Long Tom (A) | 15F13 | 4550 | 2/27 | 12 | 3.6 | 0.0 | -- |
| #Willow Cr. Cabin (A) | 15F11 | 4710 | 2/27 | 9 | 2.7 | 0.0 | -- |

BOISE RIVER

| | | | | | | | |
|------------------------|-------|------|------|-----|------|------|-------|
| Atlanta Summit (A) | 15F4 | 7500 | 2/27 | 129 | 48.9 | 21.2 | 28.6* |
| Bad Bear | 15F2 | 5500 | 2/28 | 58 | 20.0 | 7.5 | 11.8* |
| #Bennett Mountain | 15F7 | 6650 | 3/1 | 66 | 22.6 | 9.0 | 14.9* |
| #Bogus Basin | 16F2 | 6120 | 3/4 | 84 | 29.2 | 10.8 | 18.5 |
| Bogus Basin Road | 16F4 | 5360 | 2/28 | 37 | 11.8 | 0.0 | 5.2* |
| #Camas Creeks Div. (A) | 15F9 | 5720 | 2/27 | 57 | 19.5 | 3.8 | -- |
| Couch Summit | 14F10 | 6950 | 2/26 | 95 | 29.0 | 13.3 | 15.2* |
| Danskin (A) | 15F10 | 5650 | 2/27 | 65 | 22.2 | 5.8 | -- |
| Deadman Gulch | 16F1 | 5600 | 2/26 | 68 | 20.0 | 6.3 | 13.2* |
| #Dixie Hill | 15F8 | 5230 | 3/1 | 28 | 10.0 | 0.0 | -- |
| #Dollarhide Smt. (A) | 14F8 | 8620 | 2/27 | 115 | 43.6 | 21.2 | 21.8* |
| Jackson Peak (A) | 15E9 | 7000 | 2/27 | 113 | 42.8 | 18.9 | 26.5* |
| #Little Camas Flat | 15F12 | 4950 | 3/1 | 34 | 12.0 | 1.0 | -- |
| #Long Tom (A) | 15F13 | 4550 | 2/27 | 12 | 3.6 | 0.0 | -- |
| Moores Creek Summit | 15F1 | 6100 | 2/28 | 107 | 40.6 | 17.6 | 27.0 |
| Prairie | 15F6 | 4900 | 2/27 | 32 | 10.6 | 2.3 | 4.7 |
| Road Creek (A) | 15F3 | 5550 | 2/27 | 56 | 19.3 | 5.6 | 9.0* |
| #Soldier Rgr. Sta. | 14F11 | 6100 | 2/26 | 71 | 22.7 | 8.4 | 10.0 |
| Trinity Mountain | 15F5 | 7780 | 2/27 | 155 | 58.7 | 26.5 | 36.4* |
| #Vienna Mine (A) | 14F4 | 8900 | 2/27 | 122 | 35.6 | 22.6 | 30.3* |
| Willow Creek Cabin (A) | 15F11 | 4710 | 2/27 | 9 | 2.7 | 0.0 | -- |

PAYETTE RIVER

| | | | | | | | |
|--------------------|------|------|------|-----|------|------|------|
| #Big Creek Summit | 15E2 | 6600 | 3/1 | 116 | 41.4 | 24.0 | 30.1 |
| Bogus Basin | 16F2 | 6120 | 3/4 | 84 | 29.2 | 10.8 | 18.5 |
| #Brundage Mountain | 16D6 | 7560 | 2/27 | 147 | 52.8 | 36.2 | -- |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|-------------------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (inches) | WATER CONTENT (Inches) ^b | AVERAGE ^b |
| Cozy Cove | 15E8 | 5900 | 2/27 | 70 | 23.7 | 12.8 | 14.1 |
| Crawford Rgr. Sta. | 15E3 | 4800 | 3/1 | 43 | 13.5 | 5.6 | 6.9* |
| #Deadman Gulch | 16F1 | 5600 | 2/26 | 68 | 20.0 | 6.3 | 13.2* |
| Deadwood Airstrip | 15E10 | 5440 | 2/25 | 72 | 21.3 | 13.0 | 13.7* |
| Deadwood Dam | 15E7 | 5290 | 2/27 | 72 | 23.4 | 12.4 | 14.8 |
| Deadwood Summit (A) | 15E4 | 7000 | 2/27 | 160 | 60.6 | 34.9 | 38.2* |
| Greenfield Flat (A) | 16E7 | 7370 | 2/27 | 130 | 46.4 | 26.1 | -- |
| High Valley Summit | 16E4 | 5170 | 3/2 | 52 | 16.2 | 7.2 | 8.7* |
| #Jackson Peak (A) | 15E9 | 7000 | 2/27 | 113 | 42.8 | 18.9 | 26.5* |
| Lake Fork | 15E1 | 6000 | 2/27 | 62 | 18.6 | 9.2 | 13.8* |
| #Mica Ridge (A) | 16E6 | 6800 | 2/27 | 125 | 44.6 | 23.0 | -- |
| Rock Flat Summit | 16E1 | 5200 | 2/27 | 69 | 21.2 | 13.7 | 15.3 |
| Secesh Summit | 15D1 | 6600 | 2/28 | 116 | 42.0 | -- | -- |
| Shafer Butte (SP) | 16F7 | 7480 | 2/28 | -- | 37.5 | -- | -- |
| Silver Creek Ridge (A) | 15E5 | 5700 | 2/27 | 77 | 22.6 | 12.5 | -- |
| #Squaw Flat (A) | 16E5 | 6230 | 2/27 | 99 | 35.7 | 18.9 | -- |
| Squaw Meadow | 15D2 | 5800 | 2/28 | 115 | 41.9 | 27.5 | 32.1* |
| Tripod Summit | 16E3 | 5200 | 3/2 | 69 | 23.2 | 10.5 | 15.6* |

WEISER RIVER

| | | | | | | | |
|----------------|------|------|------|-----|------|------|-------|
| Boulder Creek | 16D1 | 5500 | 2/26 | 88 | 25.1 | 18.7 | 21.0* |
| Mica Ridge (A) | 16E6 | 6800 | 2/27 | 125 | 44.6 | 23.0 | -- |
| Placer Creek | 16E2 | 6000 | 2/27 | 74 | 22.3 | 13.4 | 14.1* |
| Squaw Flat (A) | 16E5 | 6230 | 2/27 | 99 | 35.7 | 18.9 | -- |

MANN CREEK

| | | | | | | | |
|--|------|------|------|----|------|----|----|
| Mann Creek | 16E9 | 5980 | 3/1 | 81 | 28.9 | -- | -- |
| Mann Creek Ridge (Sturgill Ridge) (A) | 16E8 | 6680 | 2/27 | 99 | 35.3 | -- | -- |
| Robinson Cr. Ridge (A) | 17E1 | 6220 | 2/27 | 77 | 27.5 | -- | -- |

(b) 1953-67, 15 year period. *Not located directly on this drainage. •Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent.
(R) Radioactive Gage snow-water equivalent.

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|--------------------------|-----------|------------------|----------|------------------------|-------------------|-----------|-------------|
| NAME | ELEVATION | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| <u>LITTLE LOST RIVER</u> | | | | | | | |
| Fairview Guard Station | 5850 | 42 | 7.6 | 2/25 | 8.5 | 7.5 | -- |
| Wet Creek Summit | 8175 | 48 | 17.1 | 2/27 | 16.4 | 14.2 | -- |
| <u>LITTLE WOOD RIVER</u> | | | | | | | |
| Garfield R. S. | 6554 | 36 | 5.2 | 1/29 | 4.0 ^f | 2.8 | 3.7 |
| <u>BIG WOOD RIVER</u> | | | | | | | |
| Galena | 7300 | 48 | 10.1 | 1/27 | 8.7 ^f | 8.2 | 5.9 |
| <u>BOISE RIVER</u> | | | | | | | |
| Bad Bear | 5500 | 72 | 6.3 | 2/28 | 5.7 ^f | 5.8 | -- |
| Bogus Basin | 6120 | 48 | 13.1 | 1/21 | 13.4 ^f | 9.9 | 9.1 |
| Bogus Basin Road | 4830 | 48 | 7.1 | 2/28 | 5.7 | 6.6 | 5.9 |
| Moores Creek Summit | 6100 | 60 | 8.8 | 12/31 | 8.1 ^j | 7.6 | 7.5 |

j - January Measurement

f - February Measurement

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|----------------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) LAST YEAR | AVERAGE ^b |

MIDDLE SNAKE RIVER BASIN - SOUTHSIDERAFT RIVER

| | | | | | | | |
|-------------------------------|------|------|------|----|------|------|-------|
| Boy Scout Camp | 13G2 | 7600 | 2/27 | 46 | 13.1 | 11.1 | 12.8* |
| Clear Creek Meadows (Utah) | 13H2 | 9050 | 2/27 | 97 | 27.2 | 11.2 | 17.5* |
| Howell Canyon | 13G1 | 8000 | 3/2 | 63 | 23.0 | 15.2 | 20.5 |
| One Mile Summit Utah | 13H1 | 7330 | 2/27 | 39 | 9.1 | 4.5 | 6.5* |
| Sheep Hollow | 13G5 | 6200 | 2/27 | 31 | 7.7 | -- | 4.8* |
| Sublett | 12G8 | 6000 | 2/28 | 34 | 9.5 | 6.3 | 9.0 |
| Summit Springs | 12G9 | 6400 | 2/28 | 38 | 10.7 | 7.7 | 8.2* |

GOOSE CREEK

| | | | | | | | |
|---------------------|------|------|------|----|------|-----|------|
| Badger Gulch | 14G3 | 6660 | 3/1 | 41 | 11.7 | 5.2 | 9.3 |
| Bostetter Rgr. Sta. | 14G1 | 7500 | 3/2 | 57 | 18.0 | 9.7 | 15.8 |
| Vi Pont (A) | 13H3 | 7670 | 2/27 | 56 | 16.5 | 9.5 | -- |

SALMON FALLS CREEK

| | | | | | | | |
|-------------------------|-------|------|------|----|------|------|-------|
| #Bear Creek Nev. | 15H1 | 7800 | 2/28 | 75 | 26.2 | 13.2 | 15.3* |
| Cedar Creek | 14G5 | 7000 | 2/28 | 36 | 11.8 | 4.5 | 8.9* |
| Deadline | 14G4 | 6900 | 2/28 | 62 | 21.7 | 11.9 | 18.1* |
| #Fox Creek Nev. | 15H2 | 6800 | 2/28 | 49 | 14.4 | 5.8 | 7.9* |
| Goat Creek Nev. | 15H13 | 8800 | 2/28 | 68 | 21.0 | 11.8 | 14.9* |
| #Hummingbird Spgs. Nev. | 15H15 | 8945 | 2/28 | 87 | 26.5 | 13.4 | 17.5* |
| Magic Mountain | 14G2 | 6700 | 2/27 | 55 | 17.1 | 9.0 | 14.5 |
| #Pole Creek R. S. Nev. | 15H14 | 8330 | 2/28 | 62 | 19.6 | 12.2 | 15.3* |
| Red Point (A) Nev. | 15H18 | 7940 | 2/28 | 21 | 6.3 | 7.0 | 9.5* |
| Shoshone Basin | 14G6 | 5740 | 2/28 | 24 | 7.7 | 0.0 | 3.2* |
| Wilson Creek (A) | 15G2 | 7500 | 2/28 | 57 | 19.0 | 5.0 | -- |

BRUNEAU RIVER

| | | | | | | | |
|------------------------|-------|------|------|----|------|------|-------|
| Bear Creek Nev. | 15H1 | 7800 | 2/28 | 75 | 26.2 | 13.2 | 15.3* |
| Fox Creek Nev. | 15H2 | 6800 | 2/28 | 49 | 14.4 | 5.8 | 7.9* |
| Hummingbird Spgs. Nev. | 15H15 | 8945 | 2/28 | 87 | 26.5 | 13.4 | 17.5* |
| Pole Creek R.S. Nev. | 15H14 | 8330 | 2/28 | 62 | 19.6 | 12.2 | 15.3* |
| #Seventy-six Cr. Nev. | 15H3 | 7100 | 2/28 | 50 | 16.6 | 7.0 | 9.1* |

OWYHEE RIVER

| | | | | | | | |
|------------------|-------|------|------|----|------|------|-------|
| Antelope Ridge | 16G6 | 5900 | 2/26 | 48 | 17.4 | T | 4.2* |
| Battle Creek (A) | 16G9 | 5700 | 2/27 | 24 | 7.0 | 0.0 | -- |
| #Bear Creek Nev. | 15H1 | 7800 | 2/28 | 75 | 26.2 | 13.2 | 15.3* |
| Bull Basin (A) | 16G10 | 5600 | 2/27 | 12 | 3.5 | 0.0 | -- |
| #Fox Creek Nev. | 15H2 | 6800 | 2/28 | 49 | 14.4 | 5.8 | 7.9* |
| Hyde Pasture (A) | 16G5 | 5800 | 2/27 | 42 | 12.2 | 0.0 | -- |

(b) 1953-67, 15 year period. * Not located directly on this drainage. • Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent.
(R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|------------------------|------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (inches) | WATER CONTENT (inches) | b |
| Mud Flat | 16G7 | 5500 | 3/2 | 35 | 10.4 | 1.9 | 4.7* |
| Red Canyon (A) | 16G11 | 6650 | 2/27 | 36 | 10.4 | 0.0 | -- |
| #Seventy-six Cr. Nev. | 15H3 | 7100 | 2/28 | 50 | 16.6 | 7.0 | 9.1* |
| Silver City | 16F3 | 6400 | 2/24 | 64 | 22.9 | 6.7 | 12.5 |
| South Mountain | 16G1 | 6340 | 2/25 | 56 | 23.2 | 3.4 | 9.5 |
| Succor Creek (A) | 16F6 | 6100 | 2/27 | 30 | 8.7 | 0.0 | -- |
| Triangle (A) | 16G4 | 5150 | 2/27 | 6 | 1.7 | 0.0 | -- |
| Vaught Ranch (A) | 16G12 | 5950 | 2/27 | 24 | 7.0 | 0.0 | -- |
| War Eagle (A) | 16G13 | 7700 | 2/27 | 78 | 28.1 | -- | -- |

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|---------------------------|-----------|------------------|----------|------------------------|------------------|-----------|-------------|
| NAME | ELEVATION | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| <u>RAFT RIVER</u> | | | | | | | |
| Conner Pass | 5700 | 36 | 9.8 | 1/29 | 8.3 ^f | -- | -- |
| Howell Canyon | 8000 | 48 | 11.5 | 3/2 | 7.3 | 4.9 | 4.9 |
| Sublett | 6000 | 36 | 7.0 | 1/28 | 7.3 ^f | 5.4 | 5.6 |
| <u>GOOSE CREEK</u> | | | | | | | |
| Badger Gulch | 6660 | 36 | 7.0 | 1/30 | 5.8 ^f | 5.0 | 5.9 |
| <u>SALMON FALLS CREEK</u> | | | | | | | |
| Deadline | 6900 | 36 | 7.4 | 2/28 | 7.2 | 7.1 | 5.9 |
| Patrick Ranch | 5720 | 36 | 7.7 | 2/28 | 6.8 | 7.4 | 5.8 |
| Pole Creek R. S. | 8330 | 48 | 9.7 | 2/28 | 6.2 | 4.5 | 5.4 |
| <u>BRUNEAU RIVER</u> | | | | | | | |
| Bear Creek | 7800 | 72 | 16.9 | 2/28 | 11.9 | 8.8 | 8.7 |
| <u>OWYHEE RIVER</u> | | | | | | | |
| Mud Flat | 5500 | 48 | 12.8 | 3/2 | 14.3 | 13.1 | 14.4 |
| f - February Measurement | | | | | | | |

(b) 1953-67, 15 year period. * Not located directly on this drainage. • Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent
(R) Radioactive isotope snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|----------------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (inches) | WATER CONTENT (inches) | WATER CONTENT (inches) LAST YEAR | AVERAGE ^b |

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

| | | | | | | | |
|------------|-------|------|------|----|------|------|-----|
| Camp Creek | 12E3 | 6800 | 2/26 | 81 | 21.4 | 9.0 | 7.8 |
| Kilgore | 11E12 | 6200 | 2/27 | 65 | 19.4 | 10.5 | 8.3 |

MEDICINE LODGE CREEK

| | | | | | | | |
|--------------|------|------|------|----|------|-----|------|
| Irving Creek | 12E4 | 7035 | 2/27 | 46 | 10.2 | 5.3 | 4.5* |
| Webber Creek | 12E5 | 6700 | 2/28 | 48 | 11.5 | 5.9 | 4.2* |

HENRYS FORK RIVER

| | | | | | | | |
|-------------------|-------|------|------|-----|------|------|-------|
| Big Springs | 11E9 | 6500 | 2/26 | 85 | 26.0 | 16.8 | 17.9 |
| Black Canyon | 11E18 | 7850 | 3/1 | 113 | 40.2 | 24.8 | 28.5* |
| Black Moose | 11E19 | 8125 | 3/1 | 128 | 48.0 | 28.6 | 34.0* |
| Grassy Lake | 10E15 | 7230 | 2/26 | 97 | 32.5 | 30.2 | 29.1 |
| Island Park | 11E10 | 6315 | 2/26 | 77 | 23.5 | 12.9 | 13.9 |
| Latham Springs | 11E16 | 7650 | 3/1 | 107 | 36.8 | 24.4 | 27.8* |
| Lucky Dog | 11E14 | 6900 | 2/28 | 93 | 30.0 | 20.2 | 21.1* |
| Old Road | 11E15 | 7250 | 3/1 | 102 | 35.8 | 20.2 | 24.3* |
| Poacher's Cabin | 11E17 | 8000 | 3/1 | 107 | 39.6 | 24.8 | 29.0* |
| Sawtelle Mountain | 11E32 | 8715 | 2/26 | 140 | 47.1 | 27.1 | -- |
| Targhee Pass | 11E34 | 7000 | 2/26 | 82 | 25.5 | -- | -- |
| Valley View | 11E8 | 6500 | 2/26 | 83 | 28.1 | 16.9 | 13.3 |

TETON RIVER

| | | | | | | | |
|------------------|-------|------|------|-----|------|------|-------|
| Darby Canyon (A) | 10F21 | 8250 | 2/27 | 70 | 23.9 | 22.9 | -- |
| Freds Mountain | 10F22 | 8000 | 2/27 | 69 | 23.6 | -- | -- |
| Pine Creek Pass | 11F2 | 6750 | 2/27 | 58 | 17.7 | 15.0 | 14.6* |
| State Line | 11F1 | 6400 | 2/27 | 53 | 15.1 | 10.1 | 12.2 |
| Teton Pass | 10F13 | 8500 | 2/27 | 136 | 50.0 | 32.0 | 26.9* |

WILLOW CREEK

| | | | | | | | |
|-------------------|-------|------|------|----|------|------|----|
| Aspen Grove | 11F10 | 6600 | 2/27 | 48 | 13.5 | 10.5 | -- |
| Birch Creek | 11F3 | 6800 | 2/27 | 40 | 11.7 | 9.1 | -- |
| Bone | 11F8 | 6200 | 2/26 | 36 | 9.9 | 6.1 | -- |
| Ozone | 11F4 | 5800 | 2/26 | 4 | 1.0 | 0.0 | -- |
| Sheep Mountain II | 11F11 | 6510 | 2/26 | 59 | 16.9 | 10.5 | -- |
| Tex Creek | 11F5 | 6700 | 2/28 | 40 | 10.8 | 8.4 | -- |

SAND CREEK

| | | | | | | | |
|-----------------|------|------|------|----|------|-----|----|
| Henry Creek | 11F6 | 5650 | 2/25 | 18 | 5.4 | T | -- |
| Taylor Mountain | 11F7 | 6500 | 3/2 | 41 | 13.0 | 7.0 | -- |

(b) 1953-67, 15 year period. * Not located directly on this drainage. • Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillar snow-water equivalent. (R) Radioactive gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|-----------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | AVERAGE b |

BLACKFOOT RIVER

| | | | | | | | |
|--------------------|------|------|------|----|------|------|-------|
| Austin Bros. Ranch | 11G3 | 6450 | 2/28 | 35 | 9.5 | 8.8 | 6.8* |
| China Hat | 11G2 | 6300 | 2/28 | 24 | 7.2 | 6.6 | 5.4 |
| Slug Creek Divide | 11G5 | 7225 | 2/24 | 53 | 16.8 | 12.3 | 13.1* |
| Somsen Ranch | 11G1 | 7000 | 2/28 | 57 | 16.9 | 12.3 | 9.9* |

PORTNEUF RIVER

| | | | | | | | |
|-------------------|-------|------|------|----|------|------|------|
| Cove | 11G25 | 5525 | 2/27 | 22 | 5.4 | 4.2 | -- |
| Dempsey Creek | 12G5 | 6280 | 2/26 | 53 | 13.1 | 10.0 | 9.1* |
| Lower Pebble | 12G6 | 5800 | 2/28 | 57 | 16.9 | 8.4 | -- |
| Mink Creek | 12G1 | 6300 | 2/26 | 59 | 18.2 | 10.4 | 12.7 |
| Moser | 11G24 | 5950 | 2/27 | 40 | 10.9 | 5.5 | -- |
| North Bancroft #1 | 11G23 | 5460 | 2/27 | 12 | 2.6 | 5.6 | -- |
| North Bancroft #2 | 11G22 | 5430 | 2/27 | 12 | 2.3 | 4.0 | -- |
| Pebble Creek | 12G2 | 6550 | 2/26 | 56 | 17.0 | 10.6 | 12.1 |

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|--------------------------|-----------|------------------|----------|------------------------|-----------|-----------|-------------|
| NAME | ELEVATION | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| <u>HENRYS FORK RIVER</u> | | | | | | | |
| Island Park | 6315 | 48 | 9.9 | 2/26 | 9.2 | 8.5 | 8.2 |
| Valley View | 6500 | 48 | 13.3 | 2/26 | 11.0 | 5.4 | 4.8 |
| <u>TETON RIVER</u> | | | | | | | |
| Pine Creek Pass | 6750 | 48 | 13.3 | 2/27 | 14.7 | 12.0 | 5.6 |
| State Line | 6400 | 48 | 14.8 | 2/27 | 14.2 | 14.9 | 10.3 |
| Teton Pass | 8500 | 48 | 10.5 | 2/27 | 8.1 | 9.1 | 8.5 |
| <u>PORTNEUF RIVER</u> | | | | | | | |
| Lower Dempsey | 5210 | 48 | 18.7 | 2/26 | 19.7 | 21.0 | 18.0 |
| Lower Pebble | 5800 | 36 | 7.6 | 2/28 | 8.5 | 8.4 | 6.0 |
| Pebble Creek | 6550 | 48 | 7.2 | 2/28 | 6.4 | 4.4 | 3.4 |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|---------------------------------|---------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (inches) | WATER CONTENT (inches) <i>b</i> | AVERAGE |

GREAT BASINBEAR RIVER

| | | | | | | | |
|-------------------|------|------|------|----|------|------|-------|
| Emigrant Summit | 11G6 | 7350 | 2/24 | 85 | 26.6 | 21.9 | 19.2* |
| Emigration Canyon | 11G7 | 6500 | 2/24 | 44 | 11.8 | 10.2 | 8.6* |

Montpelier Creek

| | | | | | | | |
|-------------------|-------|------|------|----|------|------|-------|
| Giveout | 11G16 | 6840 | 2/26 | 49 | 13.1 | 8.2 | 10.1* |
| Little Beaver | 11G20 | 6970 | 2/26 | 54 | 16.2 | 11.5 | 13.4* |
| Lower Home Canyon | 11G27 | 7500 | 2/27 | 54 | 15.9 | -- | -- |
| Montpelier Creek | 11G18 | 6570 | 2/26 | 34 | 9.4 | 6.8 | 6.8* |
| Upper Home Canyon | 11G26 | 8500 | 2/27 | 79 | 25.7 | -- | -- |
| Whiskey Flat | 11G21 | 6985 | 2/26 | 44 | 12.8 | 6.8 | 8.1* |

Mink Creek

| | | | | | | | |
|------------------------|-------|------|------|-----|------|------|-------|
| Christensen Ranch | 11G11 | 5600 | 2/26 | 35 | 9.3 | 9.6 | 7.3* |
| Dry Basin (A) | 11G14 | 7900 | 3/4 | 92 | 31.6 | 24.9 | -- |
| #Emigrant Summit | 11G6 | 7350 | 2/24 | 85 | 26.6 | 21.9 | 19.2* |
| Horseshoe Basin (A) | 11G15 | 8000 | 3/4 | 82 | 28.1 | 22.6 | -- |
| Liberty Spring | 11G13 | 8600 | 3/3 | 109 | 37.4 | 27.6 | -- |
| Strawberry Creek | 11G9 | 5800 | 2/26 | 46 | 11.9 | 11.1 | 9.3* |
| Strawberry Mink Divide | 11G10 | 6800 | 2/27 | 74 | 22.4 | 16.8 | 17.2* |

Cub River

| | | | | | | | |
|-----------------|-------|------|------|----|------|------|-------|
| Cub River R. S. | 11G12 | 5400 | 2/27 | 33 | 8.7 | 8.2 | 7.5* |
| Willow Flat | 11G4 | 6100 | 2/27 | 55 | 15.6 | 12.2 | 12.7* |

MALAD RIVER

| | | | | | | | |
|-----------------|-------|------|------|----|------|------|------|
| Dry Creek Flat | 12G4 | 6350 | 2/25 | 39 | 10.1 | 4.8 | 6.2* |
| Lower Elkhorn | 12G11 | 6850 | 2/24 | 66 | 20.9 | 11.0 | -- |
| Oxford Mountain | 12G3 | 6800 | 2/25 | 49 | 13.0 | 8.2 | 8.0* |
| Upper Elkhorn | 12G10 | 7100 | 2/24 | 83 | 25.8 | 12.5 | -- |

SOIL MOISTURE

| STATION | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|-------------------|------------------|----------|------------------------|-----------|-----------|-------------|
| | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| NAME | ELEVATION | | | | | |
| <u>BEAR RIVER</u> | | | | | | |
| Strawberry Creek | 5800 | 48 | 12.7 | 2/24 | 11.8 | 7.8 |
| | | | | | | 7.3 |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.



Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and
Water Resources, British Columbia
Department of Resources and Development,
Water Resources Division

States:

Idaho State Reclamation Engineer
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers
U. S. Department of Agriculture
Forest Service
Agricultural Research Service
U. S. Department of Commerce
Environmental Sciences Service Administration,
Weather Bureau

U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

*Other organizations and individuals furnish valuable information for
snow survey reports. Their cooperation is gratefully acknowledged.*

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